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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/086,378	03/04/2002	Mark James Cleary	839-1180	3747
	7590 12/15/2003			EXAMINER	
NIXON & VANDERHYE P.C.				WALLING, MEAGAN S	
	8th Floor 1100 North Gle	be Road		ART UNIT	PAPER NUMBER
•	Arlington, VA 22201-4714			2863	

DATE MAILED: 12/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/086,378	CLEARY, MARK JAMES				
Office Action Summary	Examiner	Art Unit				
	Meagan S Walling	2863				
Th MAILING DATE of this communication app						
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 04 Ma	arch 2002.					
2a) This action is FINAL . 2b) ⊠ This a	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) ☐ Claim(s) 11-13 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 11 is/are rejected. 7) ☐ Claim(s) 12-13 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. 						
Application Papers	oleodon requirement.					
9) The specification is objected to by the Examiner						
10)⊠ The drawing(s) filed on <u>30 April 2002</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction	on is required if the drawing(s) is obj	jected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5. 	5) Notice of Informal P	(PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 11 is rejected under 35 U.S.C. 102(e) as being anticipated by Dickers et al. (US 6,185,935).

Regarding claim 11, Dickers et al. teaches an array of temperature sensors arranged in an exhaust passage of a gas turbine, each temperature sensor outputs a temperature signal indicative of a temperature of combustion gases proximate the sensor (Fig. 1, Ref. 24); a computer system including a memory storage device, a processor, an output device, and an input device, wherein the processor is operatively coupled to the storage device, output device, and input device (column 4, lines 52-57); the memory storage device including information indicative of temperature signals from the temperature sensors (column 5, lines 28-29), and algorithms for identifying an abnormal combustion gas temperature signal based on the temperature signals (column 5, lines 28-31), and algorithms for correlating a temperature sensor outputting a temperature signal indicative of the abnormal combustion gas temperature to a location in the combustion section which is experiencing an abnormal combustion gas temperature (column 6, lines 24-29); and the output device providing an indication of the location in the combustion section experiencing the abnormal combustion gas temperature (column 6, lines 27-29).

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Allowable Subject Matter

Claims 12 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The primary reason for the indication of the allowability of claim 12 is the inclusion of the limitation that the algorithms include a swirl angle algorithm to estimate the swirl angle experience by combustion gases flowing from the combustion section to the temperature sensors. It is this limitation that is in the claimed combination that has not been found, taught, or suggested in the prior art that makes these claims allowable.

The primary reason for the indication of the allowability of claim 13 is the inclusion of the limitation that the location in the combustion section is a polar graph of the combustion section with an indicator at a position on the graph corresponding to the location in the combustion section experiencing the abnormal combustion gas temperature. It is this limitation that is in the claimed combination that has not been found, taught, or suggested in the prior art that makes these claims allowable.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meagan S Walling whose telephone number is (703) 308-3084. The examiner can normally be reached on Monday through Friday 8:30 AM to 5 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (703) 308-3126. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

msw

Jory/ Barlow
Supervisory Patent Examiner
Technology Center 2800

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